NEUROPEPTIDES
An International Journal

Editors
M. J. Brownstein
Laboratory of Cell Biology,
National Institute of Mental Health,
Building 36, Room 3A–17
Bethesda, Maryland 20892, U.S.A.

J. Hughes
Parke-Davis Research Units,
Addenbrooks Hospital Site,
Hills Road,
Cambridge CB2 2QB, U.K.

Volume 22

Churchill Livingstone
Edinburgh London Madrid Melbourne New York and Tokyo

Claims for issues not received should be made within 3 months of publication of the issue.

Copyright © Longman Group UK Ltd 1992. ISSN 0143–4179.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form, or by any means, electronic, mechanical, photocopying, recording or otherwise, without either the prior written permission of the publishers (Churchill Livingstone, Robert Stevenson House, 1–3 Baxter's Place, Leith Walk, Edinburgh EH1 3AF), or a licence permitting restricted copying in the United Kingdom issued by the Copyright Licensing Agency Ltd, 90 Tottenham Court Road, London W1P 9HE.

Volume Contents

Volume 22

Neuropeptides in Normal and Pathological Function. Second Meeting of the European Neuropeptide Club, Pisa, Italy, 14–16 May 1992 (Abstracts) 1

Spinal and Intestinal Levels of Substance P, Calcitonin Gene-related Peptide and Vasoactive Intestinal Polypeptide Following Perendoscopic Injection of Formalin in Rat Colonic Wall 73
M. Miampamba, S. Chéry-Croze and J. A. Chayvialle

Intravenous Administration of Tumor Necrosis Factor-α Stimulates Corticotropin Releasing Hormone Secretion in the Push-pull Cannulated Median Eminence of Freely Moving Rats 81
H. Watanobe and K. Takebe

Cerebrospinal Fluid Endothelin-1 in Alzheimer's Disease and Senile Dementia of Alzheimer Type 85
T. Yoshizawa, H. Iwamoto, H. Mizusawa, N. Suzuki, H. Matsumoto and I. Kanazawa

Localization of Vasoactive Intestinal Polypeptide-Receptor-Immunoreactivity in Human Salivary Glands 89
W. M. Herbst, W. Kummer and CH. Heym

Affinity of R 396, an NK-2 Tachykinin Receptor Antagonist, for NK-2 Receptors in Preparations from Different Species 93
C. A. Maggi, R. Patacchini, M. Astolfi, P. Rovero, A. Giachetti and P. L. M. van Giersbergen

Interaction of Amyloid β Protein (25-35) with Tachykinin Receptors 99
P. Rovero, R. Patacchini, A. R. Renzetti, M. Brown, J. Mizrahi, C. A. Maggi and A. Giachetti

Effect of Noradrenergic Denervation by Neonatal DSP-4 on Peptide Neurotransmitter Systems in the Rat Brain 103
J. Donnerer, C. Humpel and A. Saria

The Effects of Receptor Blockers on Brain Natriuretic Peptide-32-induced Action on Passive Avoidance Behavior in Rats 107
A. Bidzseranova, J. Várga and G. Telegdy

Suboccipital Cerebrospinal Fluid and Plasma Concentrations of Somatostatin, Neuropeptide Y and Beta-Endorphin in Patients with Common Migraine 111
L. Vécsei, E. Widerlöv, R. Ekman, K. Kovács, I. Jelencsik, Gy. Bozsik and G. Kapócs

Transfer of [^{3}H]Leucine Across the Blood-brain Barrier at High Blood-side Oxytocin Concentrations in Normal and Morphine-dependent Rats 117
H.-J. Rühle, J. A. Russell, A. Ermisch and R. Landgraf

CSF Enkephalins in Diabetic Neuropathy 125
A. W. Chan, I. A. Macfarlane, E. A. Masson, D. Bowsher, J. S. Morley and R. F. Venn

Prolactin Response to Anesthetic Stress and Beta-Endorphin is Altered in Female Rats Treated Neonatally with Monosodium Glutamate 129
R. W. Clough, P. F. Aravich and C. J. Phelps

Substance P Augments the Rate of Vasodilation Induced by Calcitonin Gene-related Peptide in Porcine Ophthalmic Artery in Vitro 137
M. B. Vincent, L. R. White, T. Elsås, G. Qvigstad and O. Sjaastad

Peptidergic Modulation of G-Protein Coupled Cyclic-AMP Accumulation in the Rat Caudate Nucleus 143
A. Moser and H. Cramer

Behavioral Effects of Atriopeptin in Rats 149
R. Poggioli, A. V. Vergoni, E. Rasori, D. Marrama and A. Bertolini

Intraventricular Endothelin-1 Uncouples the Blood Flow: Metabolism Relationship in Periventricular Structures of the Rat Brain: Involvement of L-Type Calcium Channels 155
P. M. Gross, D. W. Zochodne, D. S. Wainman, L. T. Ho, F. J. Espinosa and D. F. Weaver

Differential Modulation of Purkinje Cell Activity by Enkephalin and Corticotropin Releasing Factor 167
G. A. Bishop and J. S. King

Neurotensin Increases Extracellular Striatal Dopamine Levels In Vivo 175
M. A. Chapman, R. E. See and G. Bissette

Neuropeptide Y-Containing Interneurons in the Hippocampus Receive Synaptic Input From Median Raphe and Gabaergic Septal Afferents 185
R. Miettinen and T. F. Freund

Supraspinal Antinociception Produced by [D-Met²]-FMRFamide in Mice 195
R. B. Raffa and C. D. Connelly

Impaired PRL Response to Hyperthermia in Alcoholic Men 205
P. P. Vescovi, M. Pedrazzoni, M. Michelini, L. Maninetti and M. Passeri

Preprothyrotropin-Releasing Hormone mRNA and TRH are Present in the Rat Heart 209
N. E. Carnell, P. Feng, U. J. Kim and J. F. Wilber

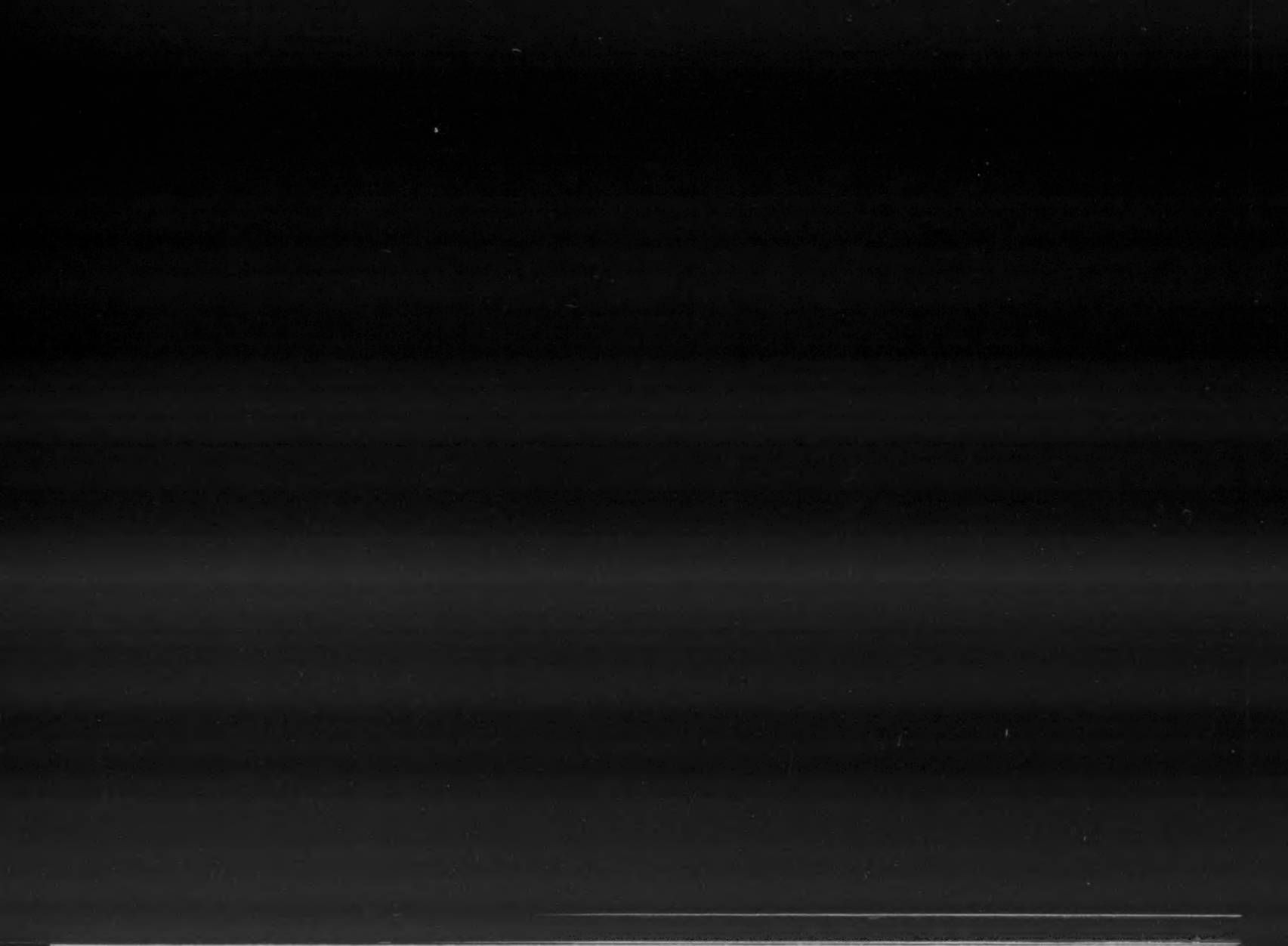
CCK mRNA Expression, Pro-CCK Processing, and Regulated Secretion of Immunoreactive CCK Peptides by Rat Insulinoma (RIN 5F) and Mouse Pituitary Tumor (AtT-20) Cells in Culture 213
M. C. Beinfeld

Mobilization of Calcium from Intracellular Store as a Possible Mechanism Underlying the Anti-opioid Effect of Angiotensin II 219
J. F. Wang, X. J. Sun, H. F. Yang, M. F. Ren and J. S. Han

A Neurosecretory Granule Lys-Arg Ca^{2+}-Dependent Endopeptidase Putatively Involved in Prooxytocin and Provasopressin Processing 223
Y. Rouillé, A. Spang, J. Chauvet and R. Acher

Decreased Numbers of Cholecystokinin-Immunoreactive Nerve Cells in the Cerebral Cortex of LEC Rats with a Hereditary Hepatitis 229
T. Madarame, K. Tateishi, T. Yoshida, Y. Miura, K. Suzuki, S. Mikawa, T. Masuda, T. Hamaoka, N. Takeichi, H. Kobayashi and S. Sato

Rapid, High-yield Isolation of Human Chromogranin A From Chromaffin Granules of Pheochromocytomas 235
U. Syversen, H. L. Waldum and D. T. O'Connor

Subject Index 241

Author Index 245